METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR AUTOMATICALLY GENERATING A SUBSET OF TASK-BASED COMPONENTS FROM ENGINEERING AND MAINTENANCE DATA

ABSTRACT OF THE DISCLOSURE

The method, system and computer program product for automatically generating a subset of components include receiving a request to generate a subset of components, accessing connectivity data that includes information regarding at least

5   the components and connections among the components, and automatically selecting portions of the connectivity data that satisfy the request to generate the subset of components. The subset may then be used to generate a diagram of the subset of components from the portions of the connectivity data that satisfy the request. Thus, the method, system and computer program product are capable of efficiently creating

10   subsets/families of components from electronic schematic diagrams because the portions of connectivity data that satisfy a request for a subset of components are automatically selected and a diagram of the selected components may be automatically generated.

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